



OUR EXPERIENCE WITH IMMUNO-VACCINATED PIGS

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WHAT IS IMMUNOVACCINATION?

- Two doses of the vaccine Improvac → temporary suppression of testicular function
- Elimination of boar taint in meat
- Significant reduction in boar behavior
- No boar deductions
- The boar remains intact until 2nd vaccination (4 weeks before slaughter)

→ Boar advantages are retained until 2nd vaccination (growth, feed consumption, meat percentage)



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Jan
2023

Grisedyrslæge: Stop for kastration fremtiden - og vi har godt alternati

Flere lande, eksempelvis Belgien og Australien, bruger nu Improvac i stor stil. I stimulerer grisens immunsystem til at danne antistoffer imod kønshormon (G at testikelfunktion og -udvikling hæmmes midlertidig.
Dyrslæge Hans Bundgaard, Porcus

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IMPROVAC MED FORDELE

Vi har tidligere forsøgt med Improvac-vaccination af hangrise mod ornelugt i Vesteuropa, men her var markedet ikke modent. Desværre blev det af forbr som en hormonbehandling, og derfor kom der negative reaktioner.

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Der skal gives to vaccinationer fra typisk 12 uger (godt 30 kg) og igen fire uger efter. Så hæmmes testikeludviklingen i 10 uger. Den anden vaccination skal derfor helst gives 4-6 uger før levering.

50 millioner grise vaccineres mod ornelugt

Camilla Benlékke
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Ingen handelsrestriktioner

Idag-dyrlægen er der heller ingen handelsrestriktioner, der har handlen i grise.

- Der er ikke 15 procent af grisene i

procent nu. Det er et sammenligneligt

land i forhold til kultur. I Brasilien er

cineren, så de kasterer det ikke længere.

I Tyskland er der en million grise og to

rigtig mange bliver der ikke kastende.

De sælger bare istatse orien, så det har

de også en fordel.

I Brasilien, der eksporterer de lige

et ekstra marked, at man har vaccineret

produkt, fortæller Hans Bundgaard.

- Der anvendes stort set over hele ver-

den. Man kan have en højere slagtevægt

ornelugt og vaccinationen, der syes

jeg er en fantastisk løsning i hvert fald

ikke mindre i forhold til økonomi, dy-

reveller og grise omsætning. Det det

enklere fra dyrlægen.

Kursus og sikkerhed

Brug af vacciner kræver et kursus, hvor

dyrlægen opretter besætningen med

heden for personale, med henblik på at

optimere anvendelsen på den enkelte

effekt.

Der anvendes en dømt et godt kvalitets

med en sikkerhed, der også netop skal

til at vaccinerer sig selv under vaccine-

af hangstene.

Vaccinen tildeler ad to gange. Første

gang ved 12 ugers alderen og anden gang

minimum 4 uger efter. Der er tale om

grisen bliver til en orne igen over læn-

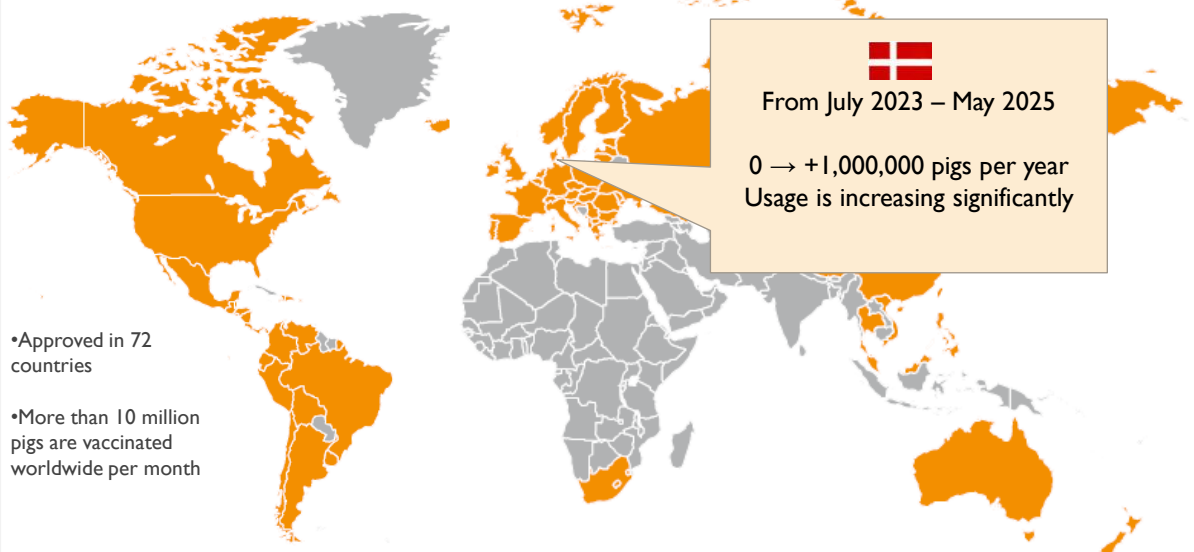
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May
2023

• Helt globalt set bliver der vaccineret 50 millioner grise om året mod ornelugt, hvor mange store andele eksporteres til det man kalder 'quality sensitive' markeder, fortæller Hans Bundgaard. Foto: Camilla Benlékke

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SPREAD OF IMMUNOVACCINATION



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RUBENLUND AGRO

- 65,000 slaughter pigs of own production (50% boars, which are vaccinated)
- Delivered to DC
- Pigs are sex-sorted at weaning
- Slaughter pigs at 3 sites: Most on wet feed.
- Lysine: 8.9 g/FE
- Final feed strength 3.6 FE/day (reached on day 50)

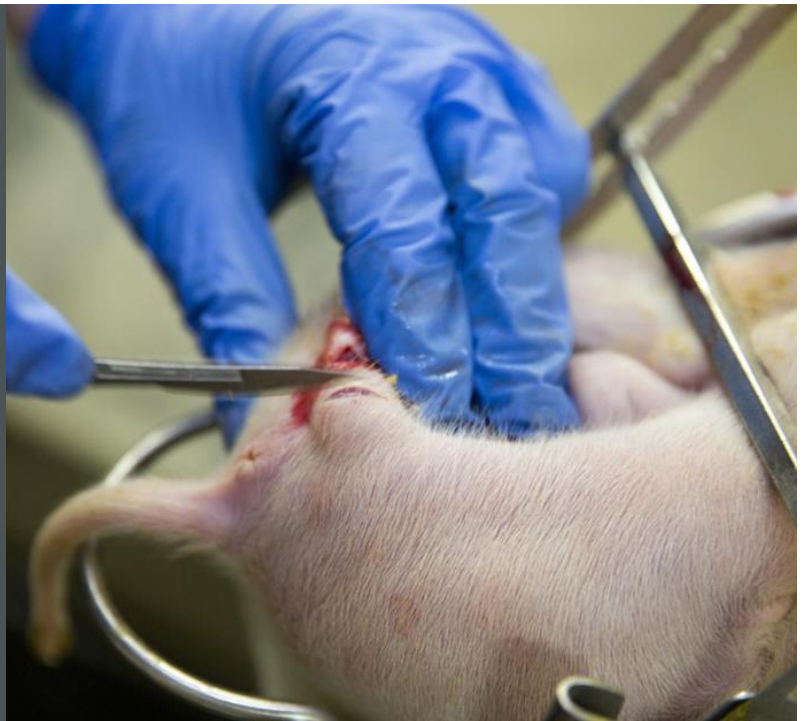
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WHY DID WE STOP CASTRATION?

Animal welfare

Management

Production optimization



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INTRODUCTION OF IMPROVAC IN THE FARM

Our motivation to vaccinate:

1. Too many rejected boars due to boar taint (5-10%)
2. Leg problems 2-3 weeks before slaughter due to mounting and fighting
3. Boar production is management-heavy
4. Castration was not considered again!

Training of Staff

- All employees - introduction with Zoetis
- 1.5 hours of theory + 1.5 hours of practice
- Ongoing follow-up



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PRACTICAL EXPERIENCES

- Timing of vaccinations:
 - 1st vaccination in week 2
 - 2nd vaccination in week 6
- Time consumption:
 - 650 boars per batch
 - 3 people on the task
 - 2 batches are vaccinated every Friday 9:30-11:30

Vaccination is faster
and easier than
castration!

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RESULTS

- Growth and feed consumption: At least the same results as with boars
- 61.0% meat on average (sows and Improvac pigs)
- 90-92 kg slaughter weight
- Our Conclusion
- Immunovaccination is our way forward!
- Manageable work
- Results as desired
- We do not want to return to castration or boar production



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ECONOMY PER PEN SPACE AT CURRENT FEED PRICE/MEAT PRICE



| Settlement in DKK/kg slaughter carcass | Boars | Immunovacc | Castrates |
|---|--------------|-------------------|------------------|
| Base price | 13,8 | 13,8 | 13,8 |
| Fial payment and adjustments | 1,51 | 1,51 | 1,51 |
| Lean Meat percentage | 0,39 | 0,30 | 0,05 |
| Deduction special pigs | -0,35 | 0,00 | 0,00 |
| Deduction for rejected pigs(4%/0,5%) | -0,17 | -0,02 | 0,00 |
| Paid per kg | 15,18 | 15,59 | 15,36 |
| Economy per pig | Boars | Immunovacc | Castrates |
| Income | 1290 | 1387 | 1367 |
| Pig cost | 567 | 567 | 567 |
| Saved castration | -9 | -9 | 0 |
| Improvac | 0 | 24 | 0 |
| Feed cost | 521 | 607 | 642 |
| Contribution Margin (CM) per pig | 211 | 198 | 158 |
| CM per pig place by 4 rotations/year | 845 | 794 | 632 |

Kilde: SEGES

Boars 845 DKK

Immuno-vaccinates 794 DKK

Castrates 632 DKK

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Make Testicles Great Again

MTGA

- We must avoid boar taint - as it destroys sales. Improvac ensures this.
- We must optimize feed consumption. Within 5 years, 2.0 FEs per kg growth is achievable. Especially with boars and Improvac pigs.
- Sale of 30 kg pigs for export is the biggest issue!

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IMMUNOVACCINATION IN THE FUTURE

- Stop castration is the future!
The 4 P's:
- People
- Planet
- Pigs
- Profit
- The 3 major slaughterhouses accept Improvac.

Would you like to learn more?

Porcus is hosting a meeting on
immunovaccination.

Sign up today to get an invitation!
Or send an email to:

mail@porcus.dk

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Take home message

- Improvac is a proven and tested product.
- Vaccination against boar taint is used worldwide.
- Higher slaughter weight - without deduction for boar taint.
- It is easy to vaccinate – look at Rubenlund.
- Vaccination is a future solution due to animal welfare, green transition, and not least:
Better economy.



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